CLAIMS

- 1. A carbonaceous refractory material containing 50 to 85 % (''%'' means ''% by mass'') of carbon, 5 to 15 % of alumina, 5 to 15 % of metallic silicon, and 5 to 20 % in total of one or two or more material(s) out of metallic titanium, titanium carbide, titanium nitride and titanium carbonitride(TiC_xN_y where 0 <x, y< 1 and x + y = 1).
- 2. A method for producing a carbonaceous refractory material by compounding 50-85% of carbonaceous materials, as main raw materials, which are calcined anthracite, calcined coke, natural graphite, artificial graphite or these mixture, with 5-15% of alumina powder, 5-15% of metallic silicon powder and 5-20% in total of one or two or more material(s) out of metallic titanium, titanium carbide, titanium nitride, and titanium carbonitride($\mathrm{TiC}_x N_y$ where 0 <x, y< 1 and x + y = 1), and by adding organic binder to the mixture, then kneading, forming and baking in non-oxidation atmosphere to obtain the carbonaceous refractory materials in the first claim of the invention.
- 3. The carbonaceous refractory material in the first or second claim, where the X-ray diffraction peak intensity ratio of the face (200) of the Ti_3O_5 to the face (111) of titanium carbide is 1 % or less.

- 4. The carbonaceous refractory material in the first claim, where a part or the whole of the alumina is replaced by one or two or more material(s) out of zircon, magnesia, mullite, spinel and silica.
- 5. The method for producing the carbonaceous refractory material in the second claim, where a part or the whole of the alumina powder is replaced by one or two or more material(s) out of the powder of zircon, magnesia, mullite, spinel and silica.